

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number 10/511422	
				Filing Date October 14, 2004	
				First Named Inventor Michael Kempe	
				Art Unit 2809	
				Examiner Name Michael Carter	
Sheet	1	of	3	Attorney Docket Number 3081.93US01	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ² (if known)		
/M.C./		US-5,422,897	06/06/1995	Wyatt et al.
/M.C./		US-6,324,326 B1	11/27/2001	Dejneka et al.
/M.C./		US-6,834,061 B2	12/21/2004	Hugnard et al.
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FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
/M.C./		WO 02/05394 A1	01/17/2002	Huignard	

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NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
/M.C./		GRIEBNER et al., "Efficient laser operation with nearly diffraction-limited output from a diode-pumped heavily Nd-doped multimode fiber," <u>OPTICS LETTERS</u> , Vol. 21, No. 4, pgs. 266-268 (February 15, 1996).	
/M.C./		ZELLMER et al., "Fiber lasers – compact laser light sources for the near infrared spectral range," <u>Laser und Optoelektronik</u> , pgs. 53-59 (4/29/1997).	
/M.C./		MIYAMOTO, "Output Beam from a Confocal Resonator with a Pinhole for Mode Selection," <u>APPLIED OPTICS</u> , Vol. 11, No. 9, pgs. 2040-2046 (September 1972).	
/M.C./		HODGSON et al., "Degenerated confocal resonator," <u>APPLIED OPTICS</u> , Vol. 32, No. 18, pgs. 3190-3200 (June 20, 1993).	
/M.C./		AIT-AMEUR, "Transverse mode selection in resonator with a super-Gaussian aperture," <u>J. Modern Optics</u> , Vol. 40, No. 9, pgs. 1833-1838 (1993).	
/M.C./		TOWNSEND et al., "Unobscured unstable resonator design for large bore lasers," <u>Mirrors and Windows for High Power/High Energy Laser Systems</u> , Proc. SPIE, Vol. 1047, 184-188, pgs. 314-318 (1989).	
/M.C./		YASUI et al., "Negative-branch unstable resonator with a phase unifying output coupler for high power Nd:YAG lasers," <u>APPLIED OPTICS</u> , Vol. 29, No. 9, pgs. 1277-1280 (March 20, 1990).	
/M.C./		CHEN et al., "An unstable confocal resonator with unitized output coupling," <u>Optics Communications</u> , Vol. 100, no. 5, 6, pgs. 467-472 (1993).	
/M.C./		PARE et al., "Custom Laser Resonators Using Graded-Phase Mirrors," <u>IEEE J. OF QUANTUM ELECTRONICS</u> , Vol. 28, No. 1, pgs. 355-362 (January 1992).	
/M.C./		ZEITNER et al., "High modal discrimination for laser resonators with Gaussian output beam," <u>J. Modern Optics</u> , Vol. 40, No. 9, pgs. 1309-1314 (1999).	
/M.C./		FARAHBOD et al., "Performance of Nd:YAG lasers in coupled generalized self-filtering and positive-branch unstable resonators," <u>APPLIED OPTICS</u> , Vol. 38, No. 21, pgs. 4516-4527 (July 20, 1999).	

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/M.C./		IMAI et al., "Speckle contrast of laser light transmitted through multimode optical fiber," <u>Optik</u> , Vol. 18, No. 3, pgs. 335-340 (1977).					
/M.C./		DE SILVESTRI et al., "Lasers with Super-Gaussian Mirrors," <u>IEEE J. OF QUANTUM ELECTRONICS</u> , Vol. 26, No. 9, pgs. 1500-1509 (September 1990).					
/M.C./		McCARTHY et al., "Optical resonators with Gaussian reflectivity mirrors: output beam characteristics," <u>APPLIED OPTICS</u> , Vol. 23, No. 21, pgs. 3845-3850 (November 1, 1984).					
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/M.C./		DE 100 09 379 A1	09/13/2001	Zellmer	
/M.C./		GB 2 197 747 A	05/25/1988	Anderson-Millar	
/M.C./		International Search Report			

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/M.C./		LUTHOR-DAVIES B. ET AL., "A Novel Single Mode Oscillator Incorporating an Internal Multi-mode Optical Fibre and Phase Conjugate Reflector," <u>NonLinear Optics: Materials, Phenomena and Devices</u> , July 1990 (pgs. 126-127).			
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